United States Marine Corps Reserve

Equipment Management Brief
September 2002

(Strategic Overview)

Presented to the Principal Deputy Assistant Secretary of Defense (Reserve Affairs)

(Col J. K. Winzeler/04 Sept 02)

MARINE FORCES RESERVE

Lt.Gen. McCarthy

Marine Forces Reserve

Force-Level Units

4TH MAW

4TH MARDIV

4TH FSSG

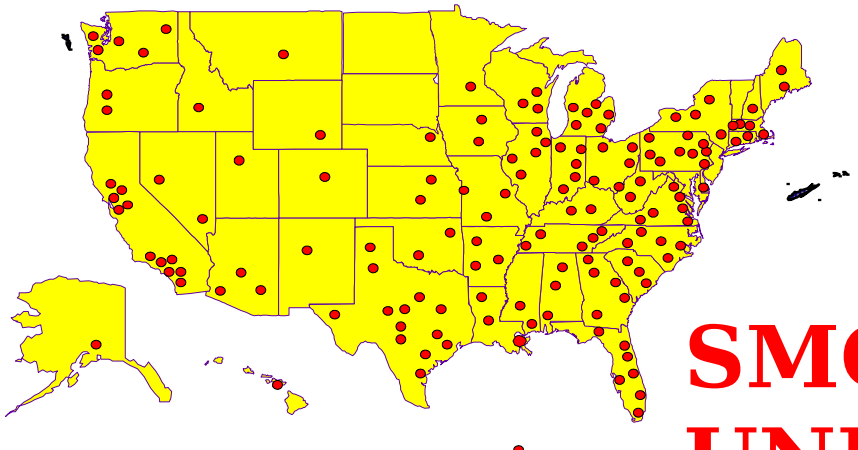
MCRSC

MAW: Marine Aircraft Wing

MARDIV: Marine Division

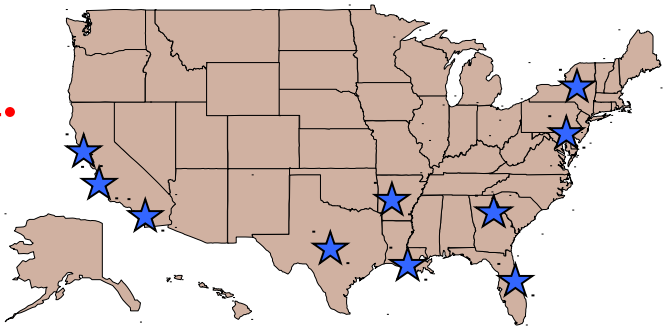
FSSG: Force Service Support Group

MCRSC: Marine Corps Reserve Support Command



SMCR UNITS

4th MARINE DIVISION



- 1 HqBn 4th MarDiv: New Orleans, LA.

- 3 Infantry Regiments:
  - 23rd Marines: San Bruno, CA.
  - 24th Marines: Kansas City, MO.
  - 25th Marines: Worcester, MA.

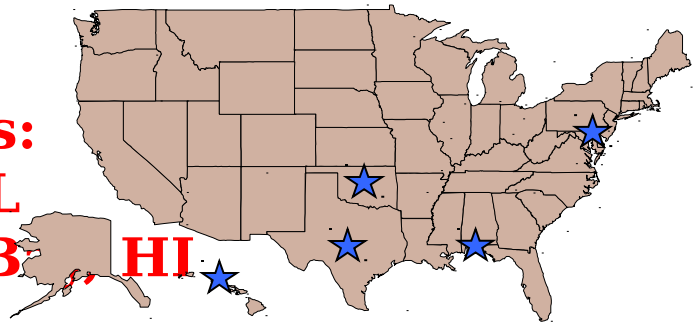
- 14th Artillery Regiment: Fort Worth, TX. (90) M198 Howitzer

- 2 Tank Battalions:
  - 4th Tank Bn: San Diego, CA. (23) M1A1 Tanks
  - 8th Tank Bn: Rochester, NY. (23) M1A1 Tanks

- 4th Assault Amphibious Battalion: Tampa, FL. (42) AAVP7A1

- 4th Light Armor Reconaissance Battalion: Camp Pendleton,

4th MARINE DIVISION



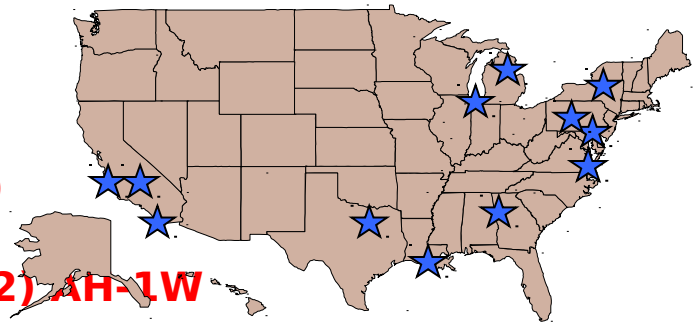
- 2 Force Reconnaissance Companies:
  - 3rd Force Recon Co: Mobile, AL
  - 4th Force Recon Co: Kaneohe B[illegible], HI
- 4th Reconnaissance Battalion: San Antonio, TX.
- 1 Anti-Tank TOW Training Company: Broken Arrow, OK.
- 4th Combat Engineer Battalion: Baltimore, MD. (76) HMMWV,

  (36) Line Charge Kit

  (123) Generator Set

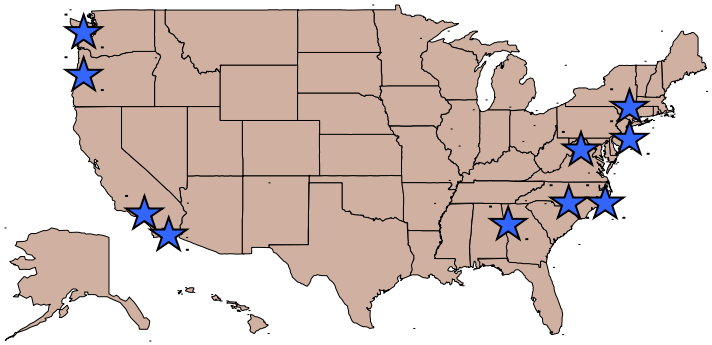
  (29) Tractor
  (7) Forklift

4th MARINE AIRCRAFT WING



- 4th MAW HQ: New Orleans, LA.
- MAG-41: Fort Worth, TX. (12) F/A-18, (12) KC-130
- MAG-42: Marietta, GA. (12) F/A-18, (6) UH-1N, (12) AH-1W
  Belle Chase, LA. (3) UH-1N, (6) AH-1W
  Norfolk, VA. (12) CH-46
- MAG-46: Miramar, CA. (12) F/A-18,
  Yuma, AZ. (13) F-5E/F-5F
  Edwards AFB, CA. (12) CH-46, (8) CH-53
  Camp Pendleton, CA. (6)UH-1N, (12) AH-1W
- MAG-49: Willow Grove, PA. (8) CH-53
  Stewart ANGB, NY. (12) KC-130
  Andrews AFB, MD. (12) F/A-18
  Johnstown, PA. (3) UH-1N, (6) AH-1W
- MACG-48: Great Lakes, IL.
- MWSG-47: Selfridge, MI. (2) F/W MWSS, (1) R/W MWSS

4th FORCE SERVICE SUPPORT GROUP



- Communications Bn: Brooklyn, NY.
- Maintenance Bn: Charlotte, NC.
- Medical Bn: San Diego, CA.
- Dental Bn: Marietta, GA.
- Supply Bn: Newport News, VA.
- HQSvc Bn: Marietta, GA.
- Engineer Support Bn: Portland, OR.
- Motor Transport Bn: Red Bank, NJ.
- Landing Support Bn: Fort Lewis, WA.
- 4th Civil Affairs Group: Anacostia, MD.
- FWD Cmd Elements: CPEN, CLNC

MODERNIZATION OF RESERVE EQUIPMENT

ITEM	REPLACEMENT ITEM	IOC/FOC
AAV	AAAV	2006 / 2017
M198	LW155	2004 / 2007
5-TON	MTVR	2001 / 2005
HMMWVA1	HMMWVA2	1999 / 2010
LAV	LAV SLEP	2005 / 2009
ROWPU	EROWPU	2005 / 2008
F/A-18	JSF	2010 / 2023
KC-130T	KC-130J	2003 / TBD
CH-46E	MV-22	TBD / TBD
UH-1N	UH-1Y	2005 / 2009
AH-1W	AH-1Z	2006 / 2011
NEW EQUIPMENT (RC SPECIFIC)		
HIMARS		2007 / 2008

MAJOR CONCERNS/INITIATIVES

- F/A-18A ECP-583
- CH-53E HNVS Kits
- Essential Combat Individual Equipment
- NBC Personal Protective Equipment

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(Maj J. D. Barich/Ms Pam Dervan/04 Sept 02)

OUTLINE

- Top Ten Modernization Issues
- FY 00-02 P-1R Execution
- Congressional Adds to Service Accounts
- FY 00-02 NGREA Execution
- Equipment Program in the FYDP For (BY)
- Equipment Readiness
- Average Age of Equipment
- Summary

COMPONENT TOP TEN MAJOR MODERNIZATION ISSUES

EQUIPMENT ITEM	TOTAL REQ.	ON HAND FUNDED O/H FD	P-1-R/NGREA CONG. ADDS FY2000-2007	QUANTITIES SHORT	ITEM COST	TOTAL COST UNFUNDED
F/A-18A ECP-583 UPGRADE	RC 48	23/26	$190.7M	22	$5.2M	114.4M
CH-53E HELICOPTER NIGHT VISION SYSTEM "B" KITS	21	10/13	7.12M	8	0.605M	4.84M
ESSENTIAL COMBAT INDIVIDAL EQUIPMENT	Various	Various	44.2M	Various	12.0M PER FY	60.0M FY03-FY07
KC-130 T AVIONICS MODERNIZATION PROGRAM (AMP)	28			28	5.865M AVERAGE COST OVER 6 FY'S	164.2M
FAMILY OF CONTAINERS (QUAD CONTAINERS)	5516	2014	5.74M	3,502	.002006M	7.025M
FAMILY OF CONTAINERS (COMMERCIAL EMBARK BOXES)	11,232	5721		5511	0.0001125M	0.620M
FAMILY OF CONTAINERS (PAL CONTAINERS)	14562	2264	5.74M	12,298	.000927M	11.4M
KC-130 ELECTRONIC FLIGHT INSTRUMENTS (EFI)	14			14	.05M	0.7M
KC-130 COCKPIT ARMOR/LOX BOTTLE ARMOR PLATING	12			12	.145M	1.74M
KC-130 OIL COOLER AUGMENTATION QEC/AIRCRAFT RETROFIT	42			42	.04762M	2.0M
TOTAL UNFUNDED REQUIREMENTS						366.925M_____

FY 2000 P-1R EXECUTION

AUTHORIZED: **$56.90M**

ADJUSTMENTS: **-$2.18M**

NEW TOTAL: **$54.72M**

OBLIGATED: **98.50%**

Major P-1R Programs Obligation Rates

PROGRAM	PB00	APPN/AUTH	PERCENT
HMMWV A2	13.00	13.03	97.7%
JAVELIN ANTI-TANK WEAPON	5.60	5.60	100.0%
AAV7A1 RAM/RS	2.00	4.00	100.0%
AFATDS	0.46	1.90	100.0%
MOTOR TRANSPORT MODS	1.13	0.75	100.0%
THIRD ECHELON TEST SETS	0.00	2.20	100.0%
GPETE	1.20	1.20	100.0%
TACTICAL FUEL SYSTEMS	0.00	1.46	100.0%
RADIO SYSTEMS	8.20	2.50	99.5%
COMM SWITCHING SYSTEMS	21.70	13.80	92.0%

FY 2001 P-1R EXECUTION

AUTHORIZED: **$42.70M**

ADJUSTMENTS: **$5.41 M**

NEW TOTAL: **$48.11M**

OBLIGATED: **96.20%**

Major P-1R Programs Obligation Rates

PROGRAM	PB01	APPN/AUTH	PERCENT
HMMWVA2	12.70	12.58	100.0%
AAV7A1	1.97	5.80	97.9%
AFATDS	0.53	4.34	87.2%
AVDVE	1.89	4.41	89.7%
MOTOR TRANSPORT MOD	1.64	2.67	100.0%
TACTICAL FUEL SYSTEM	1.44	1.43	98.9%
GPETE	1.21	0.96	97.7%
IRV	4.00	5.60	100.0%

FY 2002 P-1R EXECUTION

AUTHORIZED: **$ 48.3M**

ADJUSTMENTS: **-$8.93M**

NEW TOTAL: **$40.37M**

OBLIGATED: **84.2%**

Major P-1R Programs Obligation Rates

PROGRAM	PB02	APPN/AUTH	%OBL
IRV	16.52	4.30	80.0%
AAV7A1 RAM/RS	11.09	10.95	80.0%
CVAT	4.56	4.51	80.0%
MTVR	0.00	4.53	93.8%
DIGITAL WB TRANSMISSION	1.61	1.59	98.5%
CONSTRUCTION EQUIPMENT	1.47	1.45	92.4%
GPETE	1.35	1.33	88.6%
AN/TPS-59	0.96	1.00	88.8%
GENERAL MECHANICAL EQUIP	0.76	0.73	89.8%
CONTAINER FAMILY	0.59	0.58	99.9%

FY 2000 CONGRESSIONAL ADDS

	Appr	Oblig
FY 2000		
• **F/A 18A (ECP 583)(APN)**	**$23.6M***	
100%		
* **RC: $11.8M**	**(AC/RC Split)**	
• **AH-1W NTS (APN)**	**$5.0M**	
100%		
- NTS: Night Targeting System		

FY 2001 CONGRESSIONAL ADDS

	Appr	Oblig
FY 2001		
• F/A 18A (ECP 583) (APN)	$46.0M*	91%
* RC: $23.0M	(AC/RC Split)	
• CH-53E HVNS B Kits (APN)	$1.8M	100%
- HNVS: Helicopter Night Vision System		
• AH-1W NTS (APN)	$4.0M	100%
- NTS: Night Targeting System		
• ATFLIR (APN)	$7.0M	100%
- F/A-18A Advanced Targeting Forward Looking Infrared		
• CEUCE (PMC)	$2.0M	86%
- Common End User Computer Equipment (CEUCE) to procure various C4I items		

FY 2002 CONGRESSIONAL ADDS

	Appr	Oblig
FY 2002		
• F/A 18A (ECP 583)(APN)	$24.0M	90%
- RC: $12.0M	(AC/ RC split)	
• UC-35D (APN)	$7.5M	0%
• AH-1W NTS (APN)	$3.5M	2%
• H-53 Series (APN)		
- AN/APR-39A RWR	$2.5M	0%

FY 2000 NGREA EXECUTION

FY 2000	Appr	Oblig
Total NGREA	$20.00M *	99%
• CEUCE	$2.00M	100%
• F/A-18A (ECP 583)	$17.896M	99%

*OSD Holdback of $103,000

FY 2001 NGREA EXECUTION

	FY 2001 Oblig	Appr
Total NGREA		$5.00M*
• CH-53E HNVS B Kits	81%	$1.820M
• GCP-2A LASER	99%	$0.208M
• Reserve Automated Support System (RASS)	100%	$2.155M
• AN/FCC-100 Multiplexer	57%	$0.024M
• QUAD CONS	100%	$0.535M
• Special Application Scoped Rifle	100%	$0.216M

* OSD Holdback $46,000

FY 2002 NGREA EXECUTION

FY 2002 Oblig	Appr	
Total NGREA	**$5.00M***	**41%**
• CH-53E HNVS B Kits	$1.815M	0%
• KC-130T CNS/ATM	$0.250M	0%
• COMMERCIAL EMBARKATION BOXES	$0.833M	0%
• EMBARK BOX (QUADCON)	$1.766M	99%
• RIGID HULL INFLATABLE BOAT (RHIB)	$0.265M**	100%

*OSD Holdback $3.0M

**2nd Holdback $35,000

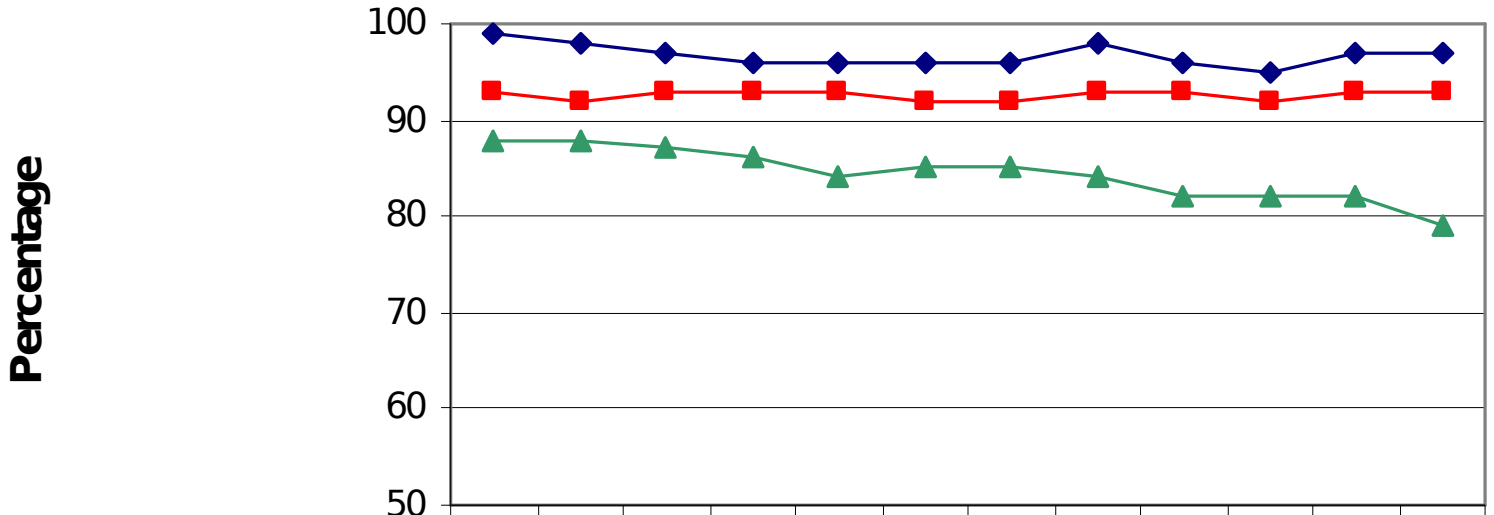
EQUIPMENT PROGRAMMED IN FYDP FOR (BY)

Program		FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	TOTAL
F/A-18A ECP-583	AC*	34.8M	11.7M	27.8M	20.6M	66.7M	43.1M	15.5M	9.6M	229.8M
	RC	0M	0M	0M	0M	0M	0M	0M	0M	0M
	QTY	6	8	3	10	11	1			39
CH-53E HNVS B KITS	AC**	0M	6.1M	5.8M	7.5M	5.8M	8.0M	16.5M	16.7M	66.4M
	RC	0M	0M	0M	0M	0M	0M	0M	0M	0M
	QTY	3		8						11
KC-130T AVIONICS MODERNIZATION PROGRAM	AC**	0M	0M	2.5M	11.1M	21.6M	34.1M	29.4M	30.4M	129.1M
	RC	0M	0M	0M	0M	0M	0M	0M	0M	0M
	QTY			1	4	4	6	7	6	28
ESSENTIAL COMBAT INDIVIDUAL EQUIPMENT	RC	9.6M	9.6M	9.5M	9.5M	9.7M	9.9M	10.2M	10.4M	78.4M
	QTY	Various	Various	Various	Various	Various	Various	Various	Various	Various
FAMILY CONTAINERS	AC	5.8M	7.1M	5.3M	5.4M	5.6M	5.8M	5.9M	6.0M	46.9M
	RC	0.58M	0.62M	0.63M	0.64M	0.57M	0.58M	0.59M	0.6M	4.81M
QUADCONS	QTY	74	74	86	81	71	73			459
PALCONS	QTY	162	162	188	178	156	159			1005

Note: *Fielding plan based on "50/50" AC/RC split and projected congressional adds.
**Total Force Procurement Plan.
QTY= Projected Reserve Fielding Plan.

GROUND EQUIPMENT READINESS

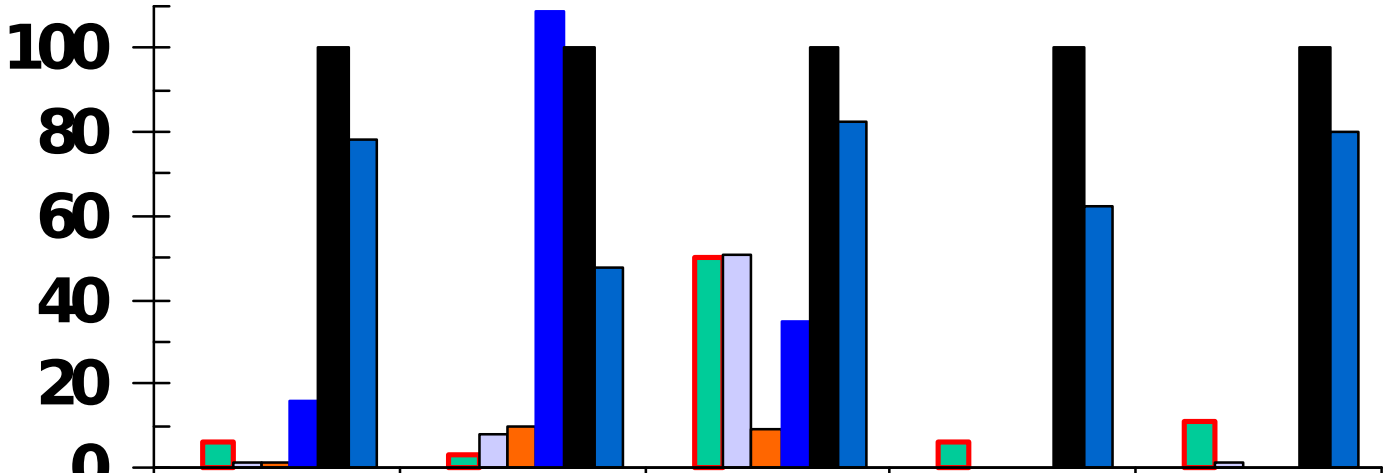
Total Equipment Requirement
(T/A + In-Stores)



	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr
RC "S" Rating %	99	98	97	96	96	96	96	98	96	95	97	97
AC "R" Rating %	93	92	93	93	93	92	92	93	93	92	93	93
RC "R" Rating %	88	88	87	86	84	85	85	84	82	82	82	79

MARINE FORCES RESERVES
GROUND EQUIPMENT READINESS

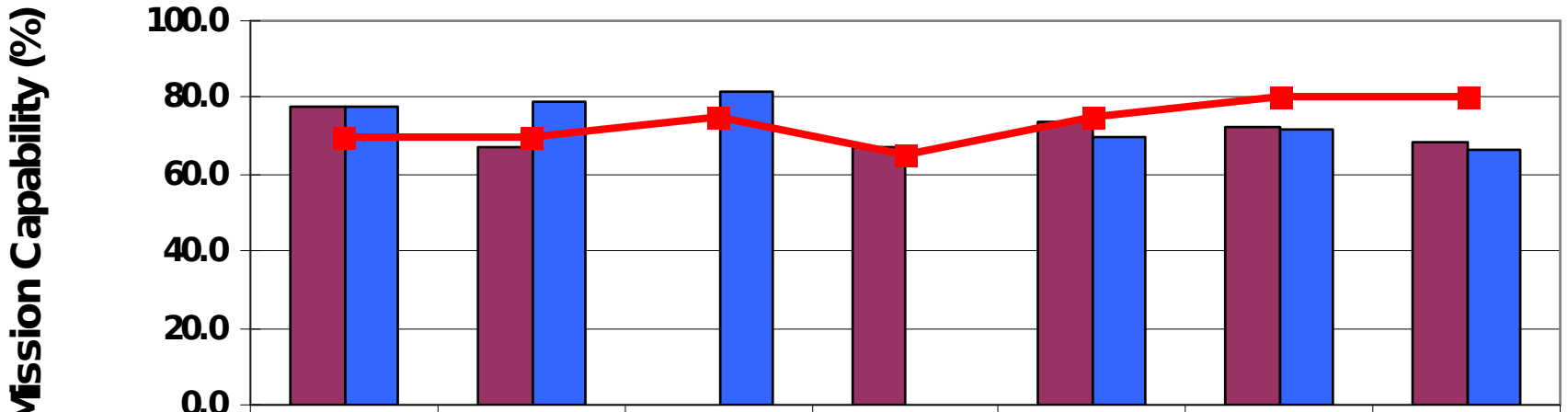
QUANTITY OF DEADLINES



	RAD SET, VEH	DIESEL GENERATOR	5T TRK CARGO	LAV: AIR DEF	LAV: LT ASSLT, 25MM
TOTAL D/L	24	130	145	6	12
NMCS	6	3	50	6	11
NMCM	1	8	51	0	1
TRANS	1	10	9	0	0
STORES NRFI	16	109	35	0	0
S RATE	100	100	100	100	100
R RATE	78	47.7	82.7	62.5	80

4th MAW MISSION CAPABLE RATES

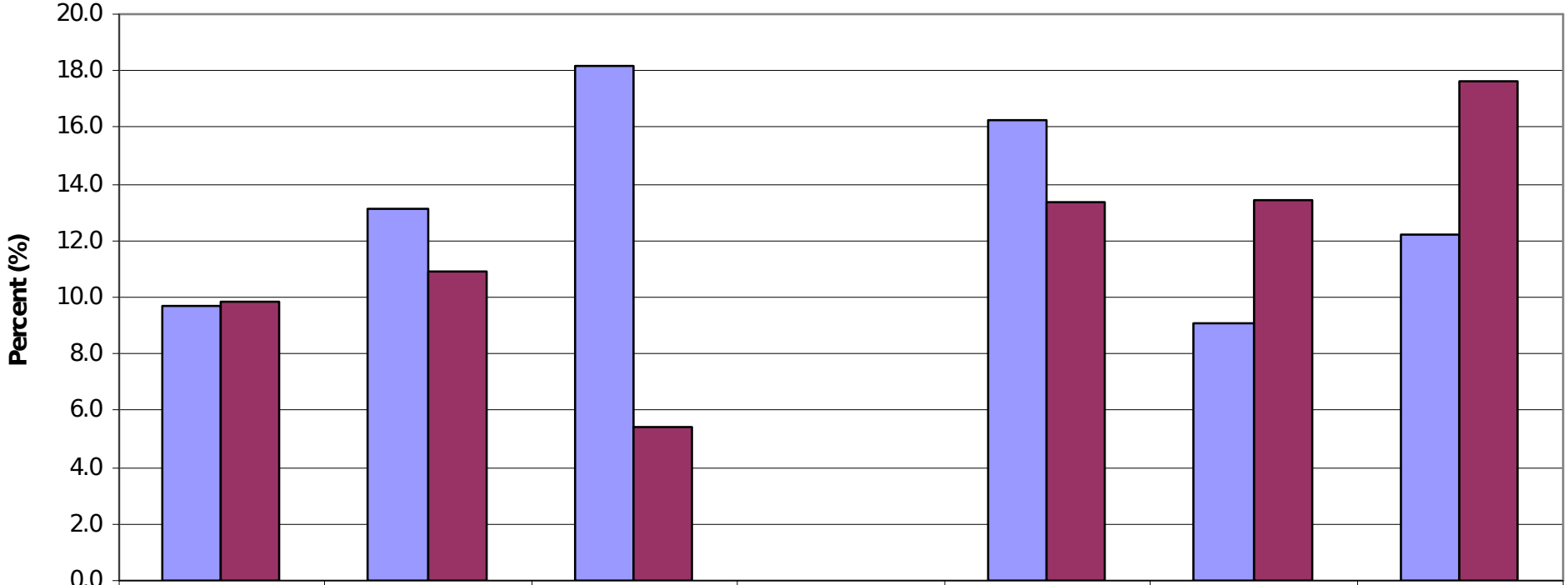
2nd Qtr FY 2002



	F/A-18A	KC 130F vs T	F-5E	CH-53E	CH-46E	AH-1W	UH-1N
AC	77.4	66.9		67.0	73.7	72.7	68.2
RC	77.6	79.1	81.8		69.6	71.7	66.3
MC Goal	70	70	75	65	75	80	80

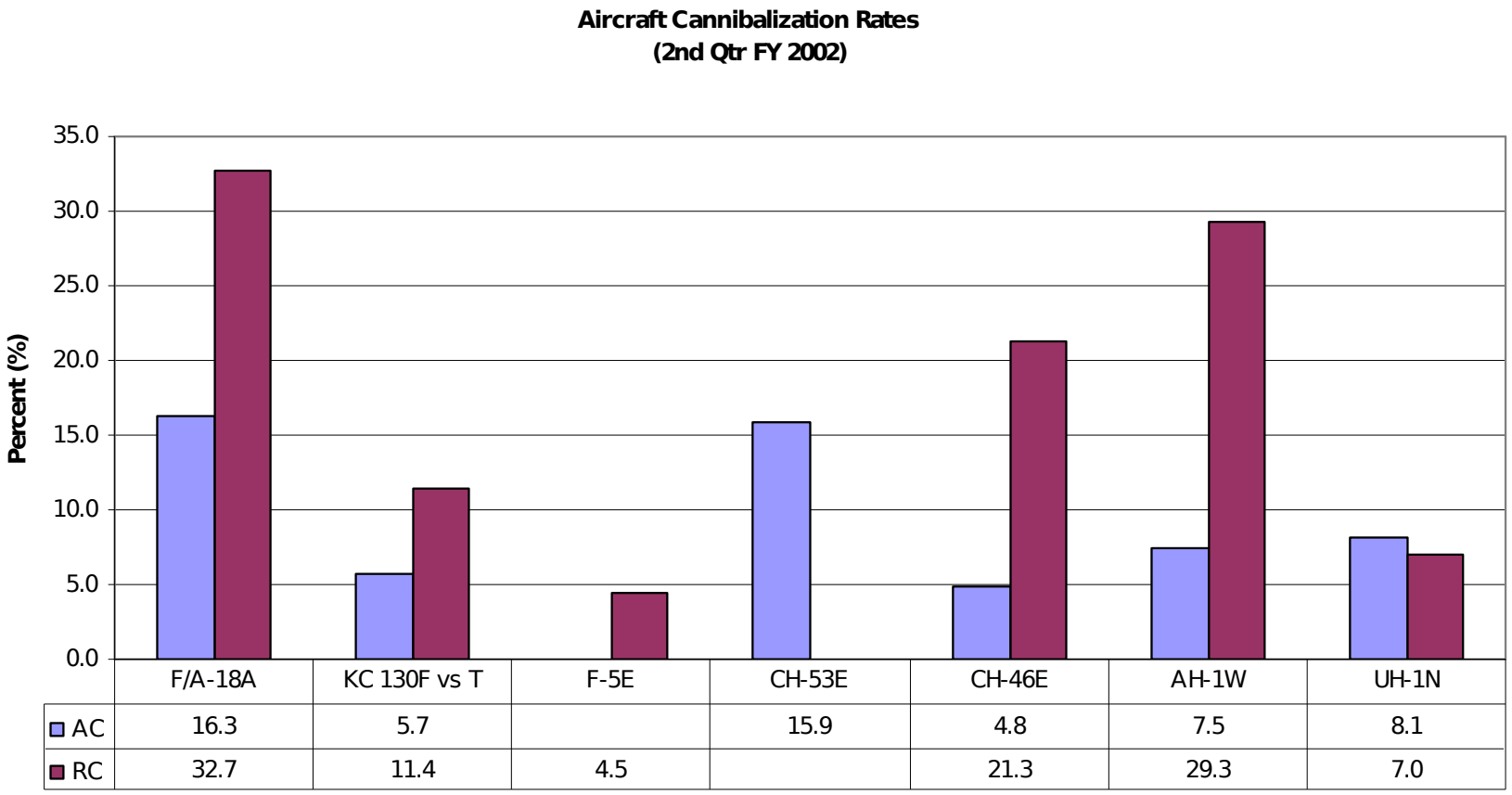
4th MAW NMCM/NMCS RATES

Mission Capability Issues
(2nd Qtr FY 2002)



	F/A-18A	KC-130T	F-5E	CH-53E	CH-46E	AH-1W	UH-1N
NMCM	9.7	13.1	18.2		16.2	9.1	12.2
NMCS	9.9	10.9	5.4		13.3	13.4	17.6

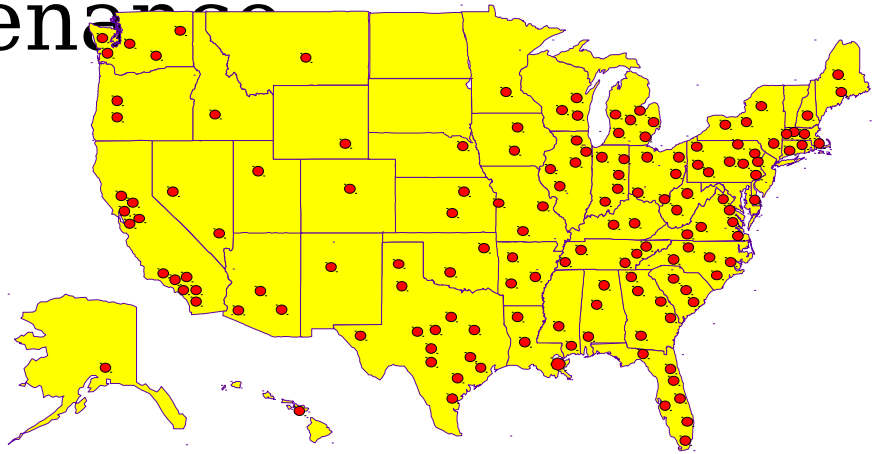
4th MAW CANNIBALIZATION RATES



	F/A-18A	KC 130F vs T	F-5E	CH-53E	CH-46E	AH-1W	UH-1N
AC	16.3	5.7		15.9	4.8	7.5	8.1
RC	32.7	11.4	4.5		21.3	29.3	7.0

CURRENT MAINTENANCE CHALLENGES

- Maintenance requirements of geographically dispersed sites.
- Training Allowance (T/A) too large to effectively maintain – excessive equipment maintenance



NEW MAINTENANCE INITIATIVES

- Training Allowance Reduction
  - Ensure training needs met
  - Improves equipment to mechanic ratio
- Service life extension program (SLEP) in engineer community has reduced maintenance requirements

NEW MAINTENANCE INITIATIVES (continued)

- Corrosion Control Program
  - Important issue for Commanders
  - Received $600K in FY02
  - Requirements for FY03-07: $10.0M

NEW MAINTENANCE INITIATIVES (continued)

- Researching the private sector for an automated, integrated Maintenance Information System (MIS) that can:
  - identify
  - requisition
  - track delivery and status
  - accurately report equipment readiness

AVERAGE AGE OF RESERVE EQUIPMENT

	Economic Useful Life				Replacement	
ITEM	EUL	AVG AGE	OLDEST ASSET	ITEM	IOC/FOC	
AAV RAM R/S	20	29	46	AAAV	2006 / 2017	
M198	20	19	25	LW155	2004 / 2007	
5-TON	20	20	23	MTVR	2001 / 2005	
HMMWVA1	14	17	28	HMMWVA2	1999 / 2010	
LVS	20	16	32			
LAV	20 (30 w/SLEP)	17	30	LAV SLEP	2005 / 2009	
ROWPU	15	18	24	EROWPU	2005 / 2008	
F/A-18	20	17	38	JSF	2010 / 2023	
KC-130T	20	15	?	KC-130J	2003 / TBD	
CH-53E	20	13	?			
CH-46E	30	34	?	MV-22	TBD / TBD	
UH-1N	20	30	37	UH-1Y	2005 / 2009	
AH-1W	20	8	17	AH-1Z	2006 / 2011	

SUMMARY

- Readiness is Top Priority
- Modernization Priorities
  - F/A-18A ECP-583
  - CH-53E HNVS Kits
  - Essential Combat Individual Equipment
  - NBC Individual Protective Equipment
  - HIMARS
- Continue to Modernize and Replace Legacy Equipment.

Backup Slides

NBC USMCR EQUIPMENT IPE DEFICIENCIES

SINGLE SITE STORAGE FACILITY

- **Individual Protective Equipment (IPE) USMCR Requirement 79,094**
  - Saratoga chemical protective suits is **84,367** SSSF
  - Glove sets on hand **28,139** SSSF
  - Glove sets on hand **5,925** SMCR UNIT
  - Glove sets on hand **23,701** on order
  - Glove sets on hand **11,054** SSSF condition code D
  - Boot sets on hand **45,260** SSSF
  - Boot sets on hand **5,923** SMCR
  - Boot sets on hand **173** on order
  - Boot sets on hand **29,192** SSSF condition code D.

Equipment	**Required**	**On-hand**	**Code-D**	**Deficiency**
- Chemical Suite	79,094	84,367	0	+5,273
- Glove sets	79,094	57,765	11,054	-21,329*
- Boot sets	79,094	51,356	29,192	-27,738

- **IPE in this case is just chemical protective suit, overboots, and gloves. Condition code D pending serviceability**

NBC/IPE

- **Joint Service Lightweight Integra**
  Suit Technology:
  - **Shelf Life 10 Yrs**
  - **2 pr. Per Individual**

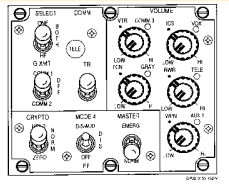
- **Black Vinyl Overshoe (BVO) (Size**
  - **Shelf Life 15 Years**
  - **2 pr. Per Individual**

- **Chemical Protective Glove (Size X**
  - **Standard Glove**
  - **Shelf Life 15 Years**
  - **2 pr. Per Individual**

F/A-18A+ UPGRADE (ECP-583)

AYQ-9 Stores Management Set

APX-111 Combined Interrogator/ Transponder



Amplifier-Control Intercommunications
MIDS Configuration

XN-8 Mission Computers

Addition of 4th, 5th and 6th MUX's

APG-73 Radar Upgrade

Enhanced Interference Blanker Unit

Mission Data Loader

ARC-210
(1 Each)

DCS
(1 Each)

F/A-18A/B Block Upgrade Developed For USMC

F/A-18A ECP-583 UPGRADE

- Total Force Initiative
- Upgrade "A" to "C" Capability: enhance precision strike capability
- **Marine Corps Reserve has 26 of 48 upgrade fully funded**

$(M)	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FYDP/TOTAL 02-09
PRESBUD (APN)	33.0	22.2	34.8	11.7	27.8	20.6	66.7	43.1	15.5	9.6	229.8
APPROPRIATED	32.9	22.2	11.5								11.5
NGREA**	17.8										0.0
CONG ADD	23.7	46.8	24.0								24.0
FUNDED**	74.4	69.0	35.5	11.7							47.2
DELTA (Total)					3.4	41.9					45.3
DELTA (Reserve)					1.7	31.5					33.2
QTY	**FY00**	**FY01**	**FY02**	**FY03**	**FY04**	**FY05**	**FY06**	**FY07**	**FY08**	**FY09**	**TOTAL FUNDED/AAO**
ACTIVE	2	8	5	8	3	*2					26/28
RESERVE	2	7	6	8	3	*10	*11	*1			26/48
TOTAL	4	15	11	16	6	*12	*11	*1			52/76

* Goal is to shift installs to FY04 and Complete Program by FY 06 ** Also received 15.8M FY 98 & 18M in FY 99 NGREA.

CH53E HELICOPTER NIGHT VISION SYSTEM (HNVS) B KITS

- Enhance capability to navigate and operate at ni
  and reduced visibility
- 3rd generation Forward Looking Infrared (FLIR) sy
- **13 of 21 HNVS B Kits are fully funded**
- **3 B kits bought in FY 99 with NGREA funding**

"B" KITS $(M)	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FYDP/TOTAL 02-09
PRESBUD	3.5		0.0	6.1	5.8	7.5	5.8	8.0	16.5	16.7	66.4
APPROPRIATED	3.5		3.5								3.5
NGREA		1.8									0.0
CONG ADD		1.8									0.0
FUNDED	3.5	3.6									0.0
DELTA					4.8						4.8
QTY	**FY00**	**FY01**	**FY02**	**FY03**	**FY04**	**FY05**	**FY06**	**FY07**	**FY08**	**FY09**	**TOTAL FUNDED/AAO**
RESERVE B KITS	4	3	3		8						13/21

ESSENTIAL COMBAT INDIVIDUAL EQUIPMENT

- **Consists of many Individual Combat Clothing and Equipment**

  and Organizational Equipment systems:

  - SMALL ARMS PROTECTIVE INSERTS (SAPI)
  - MODULAR LIGHTWEIGHT LOAD CARRYING EQUIPMENT (MOLLE)
  - OUTER TACTICAL VEST (OTV)

$(M)	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FYDP/TOTAL 02-09
PRESBUD	7.5	12.8	9.6	9.6	9.5	9.5	9.7	9.9	10.2	10.4	78.4
APPROPRIATED	7.5	12.8	10.7								0
NGREA											0
CONG ADD	8	5.2									0
FUNDED	15.5	18	10.7								0
DELTA				12.0	12.0	12.0	12.0	12.0			60
											0
QTY	**FY99/00**	**FY01**	**FY02**	**FY03**	**FY04**	**FY05**	**FY06**	**FY07**	**FY08**	**FY09**	**Total Funded/AAO**
OTV	3,505/8,744	16,517	4,930	4,498	4,803						43,000/43,000
SAPI	6,040				218						6,040/34,664
MOLLE	4,080/9,032	16,546	5,596								29,104/55,327
Initial Issue			various	various	various	various	various	various	various	various	various

KC-130T AVIONICS MODERNIZATION PROGRAM

AMP: Modernizes avionics to meet FAA & ICAO CNS/ATM mandates. An integrated approach capitalizing on USAF AMP investment, which also addresses obsolescence, provides commonality with over 500 USAF aircraft, and reduces escalating support cost of aging avionics.

AMP $(M)	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FYDP/TOTAL 02-09
PRESBUD (APN)	0.0	0.0	0.0	2.5	11.1	21.6	34.1	29.4	30.4	129.1
APPROPRIATED										
NGREA										
CONG ADD										
FUNDED	0.0	0.0								0.0
DELTA										
AMP QTY	**FY01**	**FY02**	**FY03**	**FY04**	**FY05**	**FY06**	**FY07**	**FY08**	**FY09**	**TOTAL FUNDED/AAO**
RESERVE				1	4	4	6	7	6	0/28

CONTAINER FAMILY

- Quadruple and Pallet Containers for embarking and pro additional storage spaces outside the warehouse
- **Accelerate Program Procurement**

$(M)	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FYDP/TOTAL 02-09
PRESBUD	1.16	0.95	0.58	0.62	0.63	0.64	0.57	0.58	0.59	0.60	4.81
APPROPRIATED	1.16	0.95	0.58								0.58
NGREA											
CONG ADD											
FUNDED	1.16	0.95	0.58								0.58
DELTA			3.11	3.75	3.15	3.17	3.08	3.05			16.20
QTY	**FY95-02**			**FY03**	**FY04**	**FY05**	**FY06**	**FY07**	**FY08**	**FY09**	**TOTAL FUNDED/AAO**
RESERVE QUADCON	2014			74	86	81	71	73			2399/5516
RESERVE PALCONS	5721			162	188	178	156	159			6564/14562

KC-130T ELECTRONIC FLIGHT INSTRUMENT (EFI)

- **Flat panel screen 4 per cockpit .**

AMP $(M)	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FYDP/TOTAL 02-09
PRESBUD (APN)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
APPROPRIATED										
NGREA										
CONG ADD										
FUNDED	0.0	0.0								0.0
DELTA				0.7						0.7
AMP QTY	**FY01**	**FY02**	**FY03**	**FY04**	**FY05**	**FY06**	**FY07**	**FY08**	**FY09**	**TOTAL FUNDED/AAO**
RESERVE				14						0/14

KC-130T COCKPIT ARMOR/LOX BOTTLE ARMOR PLATING

- **KC-130T requires cockpit and Lox Bottle Armor plating while flying in a combat environment. Funding is required to outfit at least 6 aircraft in each squadron. Eventually, aircraft must be equipped with the LOX Bottle Armor. The Cockpit Armor is transferable from aircraft to aircraft as needed.**

AMP $(M)	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FYDP/TOTAL 02-09
PRESBUD (APN)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
APPROPRIATED										
NGREA										
CONG ADD										
FUNDED	0.0	0.0								0.0
DELTA				1.74						1.74
AMP QTY	**FY01**	**FY02**	**FY03**	**FY04**	**FY05**	**FY06**	**FY07**	**FY08**	**FY09**	**TOTAL FUNDED/AAO**
RESERVE				12						0/12

KC-130T OIL COOLER AUGMENTATION QEC/AIRCRAFT RETROFIT

- **This system allows the engine to run at ground idle at any ambient temperature without oil overheating. It will also standardize all of the KC-130T's and C-130T's.**

AMP $(M)	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FYDP/TOTAL 02-09
PRESBUD (APN)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
APPROPRIATED										
NGREA										
CONG ADD										
FUNDED	0.0	0.0								0.0
DELTA				2.0						2.0
AMP QTY	**FY01**	**FY02**	**FY03**	**FY04**	**FY05**	**FY06**	**FY07**	**FY08**	**FY09**	**TOTAL FUNDED/AAO**
RESERVE				42						0/42